



PATENT  
Attorney Docket No. DPL-039

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT(S): Willig  
SERIAL NO.: 10/712,177 GROUP NO.: Not yet assigned  
FILING DATE: November 13, 2003 EXAMINER: Not yet assigned  
TITLE: Achromatic Fiber-Optic Power Splitter and Related Methods

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein; for consideration by the Examiner in connection with the examination of the above-identified patent application. In accordance with the U.S. Patent Office's partial waiver of the requirement under 37 C.F.R. 1.98(a)(2)(i), only copies of the foreign patent documents and non-patent publications are enclosed.

**REMARKS**

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

- ☒ (1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office action** on the merits, or before the mailing of a **first Office action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or
- ☐ (2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and
- ☐ the requisite Statement is below, **OR**
- ☐ the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or

- ☐ (3) after the mailing date of a **final action** or **notice of allowance** but before the payment of the **issue fee**, **AND**
- ☐ the requisite Statement is below, **AND**
- ☐ the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

### STATEMENT

As required under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that [check the appropriate space only if either (2) or (3) is checked on the previous page and the Statement is required]:

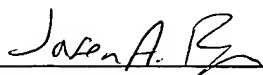
- ☐ 1. Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application **not more than three months** prior to the filing of the Information Disclosure Statement; or
- ☐ 2. No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to **any individual** designated in 37 C.F.R. 1.56(c) **more than three months** prior to the filing of the Information Disclosure Statement.

Respectfully submitted,

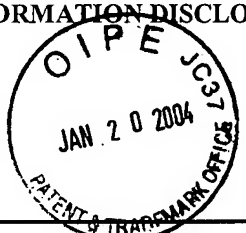
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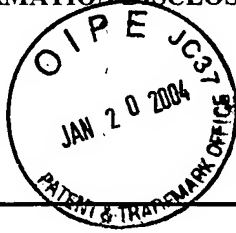
  
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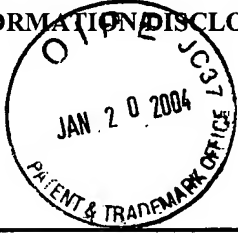


| U.S. PATENT DOCUMENTS    |                 |              |              |               |           |                            |               |                    |
|--------------------------|-----------------|--------------|--------------|---------------|-----------|----------------------------|---------------|--------------------|
| EXAM. INIT.              | DOCUMENT NUMBER | DATE         | NAME         | CLASS         | SUB CLASS | FILING DATE IF APPROPRIATE |               |                    |
|                          | A1              | 4,008,061    | 02/15/77     | Ramsay        |           |                            |               |                    |
|                          | A2              | 4,204,852    | 05/27/80     | Watts et al.  |           |                            |               |                    |
|                          | A3              | 4,392,712    | 07/12/83     | Ozeki         |           |                            |               |                    |
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| FOREIGN PATENT DOCUMENTS |                 |              |              |               |           |                            |               |                    |
| EXAM. INIT.              | DOCUMENT NUMBER | DATE         | COUNTRY CODE | CLASS         | SUB CLASS | FILING DATE                | ABSTRACT ONLY | ENGLISH LANG (Y/N) |
|                          | B1              | 0 527 427 B1 | 11/15/95     | EP            |           |                            |               |                    |
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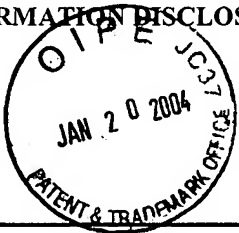
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| <b>OTHER ART, JOURNAL ARTICLES, ETC.</b>   |   |  |
| <b>EXAM. INIT.</b>   | <b>OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)</b> |  |
|  | C1  | Bahrapour et al., "Theoretical Analysis of Spectral Hole Burning and Relaxation Oscillation in All-Optical Gain Stabilized Multichannel Erbium-Doped Fiber Amplifier (EDFA)," Journal of Lightwave Technology, 19 (8), August 2001, pp. 1130-1139. |
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| <b>EXAM. INIT.</b>   | <b>OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)</b> |  |
|  | C16   | Luo et al., "Experimental and Theoretical Analysis of Relaxation-Oscillations and Spectral Hole Burning Effects in All-Optical Gain-Clamped EDFA's for WDM Networks," Journal of Lightwave Technology, 16 (4), April, 1998, pp. 527-533.                     |
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| <b>EXAM.<br/>INIT.</b>   | <b>OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)</b> |  |
|  | C32   | "Single Window Tap Couplers<10% Coupling Ratio," <a href="http://www.gouldfo.com/products/">http://www.gouldfo.com/products/</a> , 7 pages.                                    |
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|  | C35   | "Erbium Doped Fiber Amplifier," ADVA Optical Service & Solutions, 2 pages.   |
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|  | C37   | "Optical Fiber Amplifiers: Gain And Noise Figure," Hewlett-Packard, pp. 67-86.   |
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